

ABSTRACT

For the purpose of increasing the area of an adsorbent to be in contact with the air, a heat exchanger (47, 49) includes: a fin set (59) including a plurality of fins (57) arranged
5 parallel to each other with an interval therebetween; a framework (61) arranged to surround end faces of the fin set (59) in the arrangement direction of the fins and end faces of the fin set (59) in the lengthwise direction of the fins; a serpentine heat transfer tube (63) having straight parts (63a) penetrating the fin set (59) in the arrangement direction of the fins and U-shaped parts (63b) protruding out of the framework (61); and a connector tube
10 (65) for connecting the heat transfer tube with a refrigeration pipe. An adsorbent capable of adsorbing moisture from the air and desorbing the moisture into the air is supported on the surfaces of the fin set (59), the framework (61), the heat transfer tube (63) and the connector tube (65), respectively.